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Problem Evaluation Request (PER)**WRPS-PER-2011-2120**

Closed 04/01/2012 17:51

PER No	Date of Discovery	Time of Discovery (24:00)	Project
WRPS-PER-2011-2120	10/13/2011	15:30	Base Ops
Location			
AY Farm			
How Was Problem Discovered			
Field Observation			
Description of Concern or Problem			
Water was detected in AY-102 annulus via an increase in liquid level (and high level alarm at TMAC) from the AY102-WSTA-LDT-152 leak detector on October 9, 2011. When personnel went out to calibrate the instrument on 10/12/11, to determine if the instrument was working properly, water was observed approximately 1/2" up on the displacer. At this point in time it would have been beneficial to insert a camera into the annulus to see if the water intrusion could be pinpointed. When Engineering requested a camera to be installed, the AZ Team indicated it would take several days just to plan the work package and would most likely not be in time to determine the source of the water intrusion.			
Requirement Not Satisfied		Source Document Number	
Potential Tank Integrity Issue			
Equipment Identification Number		System Identification	
AY102-WSTA-LDT-152		Ventilation Tank Annulus	
Immediate actions Taken or Planned			
Discussed problem with some of the AZ Team members, Area Engineering and manager. Then initiated work package request (TFC-WR-11-0924) and issued this PER.			
Recommended Corrective Actions			
1. Develop a pre-approved work package to be able to look into any DST annulus tank in the event of a real water intrusion event in the future. 2. Install video camera into the north and east sections of 241-AY-102 to look for possible intrusion points. Recommend that we investigate the AY-102 annulus tank during the wet winter months (October thru March).			
Originator Contact			
I would like to help in investigating the cause			
Originators Name	Originators ID	Originators Phone	Date Initiated
Tardiff, Gary R	H0039579	(509) 373-5539	10/19/2011
SHIFT OPERATIONS REVIEW			
Title			
Create Pre-planned work package to investigate annulus water intrusion			
How Discovered		Agency	
self-ID prior to event			
Reportability	SSC Operability	Operability Review	Comp Measures Req
Non-Reportable	N/A	N/A	
Describe actions Taken or Recommended			
no additional actions taken or recommended by CSO			
SO Reviewer Name	SO Reviewer ID	SO Reviewer Phone	SO Review Date
Alms, Joshua A	H5297860	(509) 373-1985	10/19/2011
SCREENING			
PER Significance Level			
TUF			

Independent Assessment Review	Occurrence Report Number	Externally Identified	DOE CAP Required?
No		No	No
Assigned Responsible Manager	Facilities Rep / SSO	Safety Management Rep	
Ellis, Martin W			
Program		Safety Management Program	
<ul style="list-style-type: none"> N/A 		<ul style="list-style-type: none"> Engineering Configuration Management In-Service Surveillance & Maintenance 	

PER Screening Comments

cc: Dave Strasser
(10/20/11)

Causal Code

MGT/Comm/Train	Human Performance	GEMS	Equip/Eng/Other
Failed Barrier	ORPS Code	Functional Area	Work Process
	Not Applicable	Operations	<ul style="list-style-type: none"> Engineering Evaluation
ISMS	Consequence Code		
Perform work within the controls	<ul style="list-style-type: none"> Engineering Requirement - Lack of/not adequately implemented or identified requirement 		
PER Screening Chair	PER Screening Chair ID	PER Screening Chair Phone	PER Screening Date
Brown, Nancy L	H0088797	(509) 373-0992	10/20/2011

PAAA REVIEW

PAAA Screening	PAAA Codes	Function Codes
Not subject to PAAA		
NTS Report Number	NTS Report Date	

Repetitive / Recurrent	Programmatic	Intentional Violation / Misrepresentation
No	No	No

PAAA Screening Comments

Approval per procedure TFC-ESHQ-PAAA-D-08, dated 6/27/2011 (paragraph 4.1.5-7).

PAAA Reviewer Name PAAA Review Date

Bruce, Phyllis H (inactive)
(inactive) 10/21/2011

PAAA Approver Name PAAA Approve Date

Bruce, Phyllis H (inactive)
(inactive) 10/21/2011

CAUSE ANALYSIS**Description of Occurrence****Extent of Condition**

N/A

Safety Significance

Generic Implications**Remedial Corrective Action****Causal Analysis****Causes****Track Until Fixed (TUF)****Extent of Condition**

N/A

Evaluation or Action Taken

Revision to TFC-OPS-MAINT-C-01, "Tank Operations Contractor Work Control" has been completed and issued which allows for using previously approved work instructions from planned work activities as the template for a new Level 2 work package. The review and approval process for Level 2 work documents will allow for more timely development and field implementation of these work activities. This process addressess the the issue identified in this PER.

Corrective Action Resulting from Action Taken

Revision to TFC-OPS-MAINT-C-01, "Tank Operations Contractor Work Control" has been completed and issued which allows for using previously approved work instructions from planned work activities as the template for a new Level 2 work package. The review and approval process for Level 2 work documents will allow for more timely development and field implementation of these work activities. This process addressess the the issue identified in this PER.

ATTACHMENTS

Link to PER

TFC-OPS-MAINT-C-01,_Tank_Operations_Contractor_Work_Control.pdf

Supervisor_C-01_Work Control Training.pdf

WRPS-PER-2011-2120 - PER Closure.msg

IDMS Archive Link

AUDIT HISTORY

Change Date	Auditor	Comments
10/19/2011 10:25	Tardiff, Gary R	Initiator Tab initial submission.
10/19/2011 12:11	Alms, Joshua A	SO Tab initial submission.
10/20/2011 13:05	Brown, Nancy L	Screening Tab initial submission.
10/21/2011 09:09	Sievers, Fredrich	Responsible Manager Task Launched by Sievers, Fredrich
10/21/2011 09:39	Bruce, Phyllis H	PAAA Tab initial submission.
01/16/2012 10:06	Metzger, Stephen L	TUF Tab initial submission.

-- End of Report --
08/16/2012 02:34 PM